

PATENT APPLICATION

98-40D1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Darrell C. Conklin
For : KUNITZ DOMAIN POLYPEPTIDE ZKUN6
Docket No. : 98-40D1
Date : December 14, 2001

Prior Application

Serial No. : 09/388,183
Filed : September 1, 1999
Examiner : Harris, A.
Art Unit : 1642
Docket No. : 98-40

BOX PATENT APPLICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Preliminary Amendment

Sir:

Please amend the above-identified application as follows:

In the Specification:

At page 1, following line 5, please insert the following:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a division of application Serial No. 09/388,183, filed September 1, 1999, which application is allowed, and claims the benefit under 35 U.S.C. § 119(e)(1) of provisional application No. 60/099,296, filed September 3, 1998.

In the Claims:

Please cancel claims 1-8, 11, 13, and 19 without prejudice.

Please replace claims 9 and 12 with the following amended claims:

9. (amended) An expression vector comprising the following operably linked elements:

- (a) a transcription promoter;
- (b) a DNA segment encoding a protein of from 51 to 81 amino acid residues comprising a sequence of amino acid residues as shown in SEQ ID NO:2 from residue 6 through residue 56; and
- (c) a transcription terminator.

12. (amended) The expression vector of claim 9 wherein said protein consists of residues 6 through 56 of SEQ ID NO:2.

Please add the following new claims:

20. The expression vector of claim 9 wherein said protein comprises residues 1-59 of SEQ ID NO:2.

21. The expression vector of claim 9 wherein said protein consists of residues 1-59 of SEQ ID NO:2.

22. The expression vector of claim 15 wherein said vector further comprises a third DNA segment encoding a proteolytic cleavage site, wherein said third DNA segment is positioned between said DNA segment encoding a protein and said second DNA segment.

23. The cell of claim 17 wherein said protein is from 51 to 59 residues in length.

24. The cell of claim 17 wherein said protein comprises residues 1-59 of SEQ ID NO:2.

25. The cell of claim 17 wherein said protein consists of residues 1-59 of SEQ ID NO:2.

26. The cell of claim 17 wherein said protein consists of residues 6-56 of SEQ ID NO:2.

27. The cell of claim 17 wherein the expression vector further comprises a secretory signal sequence operably linked to the DNA segment.

28. The method of claim 18 wherein the expression vector further comprises a secretory signal sequence operably linked to the DNA segment and wherein the protein encoded by the DNA segment is secreted into and recovered from a culture medium in which the cell is cultured.

REMARKS

Entry of the above amendments is requested. With entry of these amendments, claims 9, 10, 12, 14-18, and 20-28 are in the application. Claims 1-8, 11, 13, and 19 have been cancelled. Claims 9 and 12 have been amended. Amended claims 9 and 12 and new claims 20-28 are fully supported by the original specification as filed. No new matter has been added.

Claims 9 and 12 have been amended and claims 11 and 13 have been cancelled solely to expedite the prosecution of claims drawn to subject matter of commercial interest to the assignee of this application. No issue of patentability has been raised with regard to these claims. Applicant reserves the right to prosecute claims to cancelled subject matter in one or more continuing applications.

A copy of amended claims 9 and 12, marked to show changes, is attached as an Appendix.

The specification has been amended to include a cross-reference to related applications.

If for any reason the Examiner feels that a telephone conference would expedite prosecution of the application, the Examiner is invited to telephone the undersigned at (206) 442-6673.

Respectfully Submitted,



Gary E. Parker
Registration No. 31,648

Enclosures:

Appendix

Inventor: Darrell C. Conklin
Filed : December 14, 2001

Appendix

9. (amended) An expression vector comprising the following operably linked elements:

- (a) a transcription promoter;
- (b) a DNA segment encoding a protein of from 51 to 81 amino acid residues comprising a sequence of amino acid residues as shown in [SEQ ID NO:3, wherein said sequence of amino acid residues is at least 80% identical to residues 6 through 56 of] SEQ ID NO:2 from residue 6 through residue 56; and
- (c) a transcription terminator.

12. (amended) The expression vector of claim 9 wherein said [sequence of amino acid residues] protein consists of residues 6 through 56 of SEQ ID NO:2.